

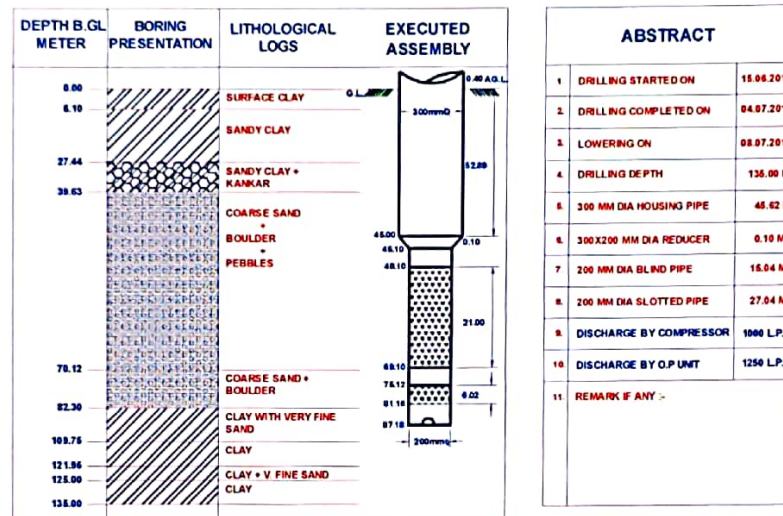
# OFFICE OF THE EXECUTIVE ENGINEER JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

## COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - NAYEE NANGLI W/S SCHEME DISTT. SAHARANPUR.  
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1NO.  
LOCATION OF TUBE WELL - PRIMARY SCHOOL  
NAME OF CONTRACTOR - M'S PIONEER DRILLING CO (P) LTD. GZB.

SPRING WATER LEVEL IN. MTRS - 14.30 M  
SIZE OF BORE - 675 X 550 MM.  
DATE OF COMPLETION OF TW- 04.08.2012



### YIELD TEST OF TW BY COMPRESSOR

DATE OF TEST - 16.07.2012      STATIC W/L - 14.00 M      TASTE OF WATER . SWEET

DISCHARGE BY V.NOTCH		SAND CONTENTS IN PPM						REMARKS
Height Of Water	Discharge in Lpm	starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min	
17"	1075	2000	1000	600	300	Tr.	CL.	

### YIELD TEST OF TW BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 04.08.2012      STATIC W/L - 14.00 M      TASTE OF WATER - SWEET

ORIFICE TUBE HEIGHT IN INCH	DISCHARGE IN L.P.M	SWL IN Mts.	RWL IN Mts.	DEPRESSION IN L.P.M	STARTING	SAND CONTENTS IN P.P.M					RECOMMENDATIONS.
						After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	
07"	1240	14.00	18.50	4.50	50	Tr.	CL.	CL.	CL.	CL.	Recommended discharge 1250 L.P.M at 4.50 M depression. Pump should be run in bypass for 8 minutes before supply of water in rising man.
08"	1325	14.00	18.80	4.80	100	50	Tr.	CL.	CL.	CL.	
12"	1582	14.00	19.10	5.10	250	200	100	50	CL.	CL.	
20"	2093	14.00	19.30	5.30	350	200	150	100	Tr.	CL.	
30"	2556	14.00	19.70	5.70	500	400	300	200	Tr.	CL.	

### CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 06.08.2012

AGENCY - EE 1st DIV U.P Jal Nigam Mrt.

S NO	SUBSTANCE OR CHARACTERISTIC	LIMIT			S NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		
		DESIRABLE	MAX.	ACTUAL			DESIRABLE	MAX.	ACTUAL
1	Colour, Hazen Unit	5	25	---	9	Dissolved solids mg/L	500	2000	248
2	Turbidity, NTU	5	10	---	10	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.60	11	Magnesium* as (Mn) mg/L	30	100	---
4	Total Hardness as (CaCO <sub>3</sub> ) mg/L	300	600	357	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe), mg/L	0.3	1.00	0.10	13	Sulphate as (SO <sub>4</sub> ) mg/L	200	400	28.00
6	Chlorides as (Cl), mg/L	250	1000	38	14	Nitrate as(NO <sub>3</sub> ) mg/L	45	100	22.15
7	Residual Free Chlorine, mg/L	0.2	---	---	15	Alkalinity mg/L	200	600	261
8	Fluoride as (F), mg/L	1.0	1.5	0.10					

Note - All dimensions are in metres

J.E

A.E

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